

Claims

1. A device for automating building services and possibly safety monitoring of a building, of an
5 industrial plant, of a building and/or plant complex or a working unit thereof, which has at least one room, characterized in that a monitoring and/or measuring and/or closed-loop control and/or open-loop control module (room module 10, 24) with integrated sensor
10 system (18) and one or more electrical power terminal/power terminals (20, 22) having no more than the poles of the electrical power line system each is provided for the or each room, and in that there is a data bus connection between the room module(s) (10, 24)
15 and a higher-level monitoring and/or measuring and/or closed-loop control and/or open-loop control module (central module 36).

2. The device as claimed in claim 1, characterized in
20 that the room module (10, 24) is provided with integrated sensor system (18) for temperature and/or brightness and/or air composition, particularly concentration of CO₂, other gases or smoke, and/or movement in the room.

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3. The device as claimed in claim 1 or 2,
characterized in that at least one power terminal (20) of the room module (10, 24) can be controlled on/off.

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4. The device as claimed in one of claims 1 to 3,
characterized in that the output voltage of at least one power terminal (22) of the room module (10, 24) can be regulated and/or controlled continuously or in steps.

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5. The device as claimed in one of claims 1 to 4,
characterized in that the room module(s) (10, 24) is/are on a data bus with the central module (36).

6. The device as claimed in one of claims 1 to 4, characterized in that at least two room modules (10, 24) are on a data bus (16) with a higher-level monitoring and/or measuring and/or closed-loop control 5 and/or open-loop control module (distributor module 32) and at least two distributor modules (32) are on a data bus (34) with the central module (36).

7. The device as claimed in claim 6, characterized in 10 that the distributor modules (32) are programmable.

8. The device as claimed in claim 6 or 7, characterized in that at least one distributor module (32) communicates with the outside world.

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9. The device as claimed in claims 1 to 8, characterized in that the central module (36) is programmable.

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10. The device as claimed in one of claims 1 to 9, characterized in that the central module (36) communicates with the outside world.